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COLLABORATION OF CHEMICAL SCIENCE AND INDUSTRY;
DEATH OF DEPUTY MINISTER OF CHEMICAL INDUSTRY

INTENSIFY COLLABORATION OF CHEMICAL INSTITUTES, PLANTS -- Moscow, Vechernyaya
Moskva, 21 May 52

Scientists of the Moscow Institute of Fine Chemical Technology imeni M. V. Lomonosov are collaborating in various ways with industrial workers. They do joint theoretical and experimental research, increase the qualifications of engineering-technical personnel in the enterprises, and hold consultations with representatives of different branches of industry, not only theoretical, but on practical problems as well. During the past year, professors and instructors of the institute have given more than 120 lectures and reports, and held more than 136 consultations with workers in industry. Thirteen chairs of the institute, comprising eight professors, 24 docents, and 16 assistants are participating in these activities.

The work which is being done under the direction of Professor I. N. Nazarov, corresponding member of the Academy of Sciences USSR and Stalin Prize winner, deserves special attention. As a result of the joint efforts of the Institute of Organic Chemistry, Academy of Sciences USSR, the Institute of Fine Chemical Technology, and the All-Union Scientific Research Pharmaceutical Chemical Institute, with the participation of a number of medical institutes of the Ministry of Health USSR, a powerful new domestic anesthetic has been developed. This anesthetic has a number of advantages over analogous preparations known at present.

Workers of the Institute of Fine Chemical Technology, under the direction of Professor N. A. Preobrazhenskiy, have developed a Soviet pilocarpine, which is a basic remedy for glaucoma. The technology for its production has been worked out with industrial personnel.

Preobrazhenskiy has also achieved a synthesis of the alkaloid, emetine, the only effective remedy for amoebic dysentery. He was awarded a First Stalin Prize in 1952 for his work on the synthesis of alkaloids.

- 1 -

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Workers of the Faculty of Rubber Technology, under the direction of Professors B. A. Dogadkin and F. F. Koshelev, are doing much to increase collaboration with industrial workers. They have drawn up a contract with the Moscow Kauchuk Plant, and created complex brigades to strengthen ties between workers of the two enterprises. Associates of the institute have worked out an effective method of estimating the quality of production.

As a result of joint activities of the Institute of Fine Chemical Technology, the Scientific Research Institute of the Tire Industry, and the Moscow Krasnyy Bogatyr' Plant, a new lacquer for rubber footwear has been developed from a nonnutrient raw material. A formula for rubber stocks using reclaimed rubber was worked out, which made it possible to cut down on the consumption of caoutchouc. A process for hot mastication of synthetic rubber was investigated, a formula for colored rubbers was developed, and technology for fatigue-proofing various rubber products was improved.

Students of higher institutions of learning are cooperating closely with plant personnel, whom they have assisted in the production process. Such cooperation was evinced at the Moscow Kauchuk Plant, the Moscow Alkaloids Plant, and the Plant imeni Semashko. -- Professor P. Zubov, Director, Moscow Institute of Fine Chemical Technology imeni M. V. Lomonosov

CHEMISTS, PHYSICISTS TO ATTEND CONVENTION -- Moscow, Vechernyaya Moskva, 9 Jun 52

Research in the chemistry and physical chemistry of high molecular weight compounds has proved fruitful in the production of synthetic rubber, synthetic and natural fibers, plastics, and other branches of industry.

Results of research by chemists in these fields will be discussed at a conference which opens today in Moscow. Almost 600 chemists and physicists from Moscow, Leningrad, Kazan', Sverdlovsk, Kiev, and other cities will participate.

BIOGRAPHICAL SKETCH OF LOKSHIN -- Moscow, Izvestiya, 13 Jul 52

Yeon Markovich Lokshin, Deputy Minister of the Chemical Industry, died after a short, serious illness. He worked himself up from fitter to deputy minister.

In 1919 - 1920, Lokshin took an active part in the civil war. In 1920, he joined the Bolshevik Party. During the following years he was engaged in party and trade-union work. From 1931 on, he worked in the chemical industry as chairman of the central committee of the trade union, and chief of Glavkhimprom (Main Administration of the Chemical Industry), and in 1939 he became deputy commissar in the People's Commissariat of the Chemical Industry. In 1946, Lokshin was appointed Deputy Minister of the Chemical Industry USSR, a position which he held until his death.

Lokshin was modest, industrious, and devoted to the Bolshevik Party, and his work was highly esteemed by the party and the government. He was awarded the Order of Lenin, Order of the Patriotic War (Second Class), Order of the Red Banner of Labor, and a medal "For valiant work in the Great Patriotic War 1941 - 1945."

- 2 -

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50X1-HUM

STATEMENTS OF 1953 CHEMICAL REQUIREMENTS -- Moscow, Moskovskaya Pravda, 22 May 52

For the information of consumers of chemical reagents, the Central Chemical Reagents Base announces that it is accepting annual statements of chemical reagent requirements for 1953 from consumers in Moskovskaya, Bryanskaya, Ivanovskaya, Kalininskaya, Kaluzhskaya, Kostromskaya, Ryazanskaya, Tul'skaya, and Yaroslavl'skaya oblasts.

Statements of requirements are to be based on price lists which are available at the Moscow store of Soyuzreaktivsbyt, dom 8, Ulitsa 25 Oktyabrya, telephone B 8-66-72.

Statements must be submitted in duplicate, with the appropriate seal, and signed by the director of the enterprise. It is absolutely necessary to compute the total cost for the year, with the exception of chemical reagents for which prices are lacking.

The following must not be included in the statements submitted to the Central Base:

1. Hydroquinone and metol
2. Caustic potash, caustic soda, and perhydrol, provided that the quantity required for the year is more than 10 kilograms each
3. Unstable photochemical substances
4. Salts of precious metals
5. All chemical reagents used as industrial raw material in multiple-ton quantities, and transit quantities of sulfuric, hydrochloric, and nitric acid, ammonia, acetone, dichloroethane, methanol, carbon tetrachloride, electrolyte, and other chemical reagents which can be shipped to consumers as transit goods (in railroad cars) directly from the supplying plants, bypassing the base warehouse.

NOTE: Statements on the chemical reagents enumerated in items 1, 2, 3, 4, and 5 should be submitted by consumers to their own Glavsnab (Main Administration of Supply), not to the base.

In the statements submitted to the Central Base, in the case of salts of nonferrous metals (aluminum, copper, lead, cobalt, nickel, chrome, etc.), only requirements for laboratory needs should be indicated, since the base does not provide for production requirements.

Consumers should send requirements for small quantities of reagents amounting to a total of up to 20,000 rubles to the Moscow store of Soyuzreaktivsbyt, not to the base.

Both copies of the year's statements of requirements should be sent to the Central Chemical Reagents Base, dom 12, Krivokolenny Pereulok, Moscow, telephone B-8-61-73, by 1 July 1952. Statements which are late or at variance with the above regulations will not be considered. -- Advertisement, Central Chemical Reagents Base [Similar requests for statements of 1953 requirements have been issued by various republic offices of Soyuzreaktivsbyt.]

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- 3 -

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